UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/593,343	09/19/2006	Mitsunori Ito	296642US0PCT	8946
22850 7590 12/18/2009 OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, L.L.P. 1940 DUKE STREET			EXAMINER	
			ROY, SIKHA	
ALEXANDRIA, VA 22314			ART UNIT	PAPER NUMBER
			2879	
			NOTIFICATION DATE	DELIVERY MODE
			12/18/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com oblonpat@oblon.com jgardner@oblon.com

	Application No.	Applicant(s)			
	10/593,343	ITO ET AL.			
Office Action Summary	Examiner	Art Unit			
	Sikha Roy	2879			
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 25 S This action is FINAL . 2b) ☐ This Since this application is in condition for allowed closed in accordance with the practice under the second seco	s action is non-final. ance except for formal matters, pro				
Disposition of Claims					
4) Claim(s) 1-8 and 10 is/are pending in the appleau 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-8,10 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o Application Papers 9) The specification is objected to by the Examination The drawing(s) filed on is/are: a) acceptable and the specification to the specification	awn from consideration. or election requirement. er. cepted or b) objected to by the B				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119		, tollow of 16 mm , 16 mg.			
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 8/14/09.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate			

DETAILED ACTION

The Amendment, filed on September 25, 2009 has been entered and acknowledged by the Examiner.

Cancellation of claim 9 has been entered.

The new title has been entered and objection to specification has been withdrawn.

Claims 1-8 and 10 are pending in the instant application.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-4,7,8 and 10 are rejected under 35 U.S.C. 102(e) as being anticipated by US Pub 2004/0104394 to Lin et al.

Regarding claim 1 Lin discloses (Fig. 4 para [0010], [0019]-[0021], [0027]) an organic EL device emitting white light comprising an anode 33, an organic emitting layer and a cathode 39 stacked in this order, a first emitting layer 41comprising a fluorescent dopant (Guest 1-first fluorescence substance DSA) and a second emitting layer 43 comprising a phosphorescent dopant (Guest 3 – phosphorescence substance Ir(PPY)3), the first emitting layer and the second emitting layer being stacked in the

organic emitting layer, the first emitting layer 41 being in contact with the second emitting layer.

Regarding claim 2 Lin discloses the first emitting layer 41 is closer to the anode than the second emitting 43.

Regarding claim 3 Lin discloses (para [0022]) it is possible to have the configuration with second emitting layer 43 formed first on HTL 35 and then the first emitting layer so that the first emitting layer is closer to the cathode than the second emitting layer.

Regarding claim 4 Lin discloses (para [0024])the device comprises a host of the first emitting layer comprises an electron transporting compound (DPVBi) or hole transporting compound, and a host of the second emitting layer comprises an electron transporting compound or hole transporting compound (CBP).

Regarding claim 7 Lin discloses the first emitting layer emits blue light, or yellow-to-orange or red light.

Regarding claim 8 Lin discloses the second emitting layer emits blue light, or yellow- to-orange or red light.

Regarding claim 10 Lin discloses ([0002]) a display (in monitor, projector) comprising organic EL device.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

Art Unit: 2879

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 5 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Pub 2004/0104394 to Lin et al.

Regarding claim 5 and 6, Lin discloses the claimed invention except for the limitation of electron mobility of the electron transporting compound being 10^{-5} cm²/V.s or more (claim 5) or the hole mobility of the hole transporting compound is 10^{-4} cm²/V.s or more(claim 6). It has been held that discovering an optimum value of a result effective variable involves only routine skill in the art. *In re Boesch*, 205 USPQ 215 (CCPA 1980). Thus, it would have been obvious to one of ordinary skills in the art at the time the invention was made to select the host materials such that electron mobility of the electron transporting compound being 10^{-5} cm²/V.s or more (claim 5) or the hole mobility of the hole transporting compound is 10^{-4} cm²/V.s or more (claim 6), since discovering an optimum value of a result variable is considered within the skills of the art.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

Application/Control Number: 10/593,343 Page 5

Art Unit: 2879

TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sikha Roy whose telephone number is (571) 272-2463. The examiner can normally be reached on Monday-Friday 8:00 a.m. – 4:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar D. Patel can be reached on (571) 272-2457. The fax phone number for the organization is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Sikha Roy/ Primary Examiner, Art Unit 2879 Application/Control Number: 10/593,343

Page 6

Art Unit: 2879